Product datasheet

Anti-CD56/NCAM1 Antibody (Clone#OTI1G4)

Catalog Number: *M00184-3*

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
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Basic Information

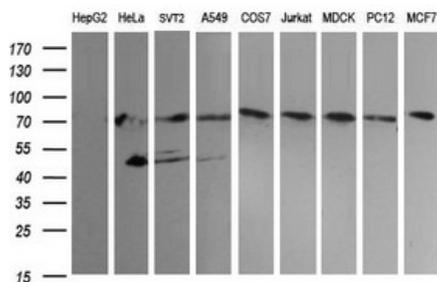|	
Product Name	Anti-CD56/NCAM1 Antibody (Clone#OTI1G4)
Gene Name	NCAM1
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human, mouse, rat, dog, monkey
Tested Application	WB, IHC
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Immunogen	Human recombinant protein fragment corresponding to amino acids 20-718 of human NCAM1 (NP_851996) produced in HEK293T cells.
Concentration	500 ug/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Observed MW	94.4 kDa
Dilution Ratios	Western blot (WB): 1:200~4000 Immunohistochemistry (IHC):1:150

Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

Background Information

NCAM is a membrane-bound glycoprotein that plays a role in cell-cell and cell-matrix adhesion through both its homophilic and heterophilic binding activity. The neural cell adhesion molecule appears on early embryonic cells and is important in the formation of cell collectives and their boundaries at sites of morphogenesis. Later in development it is found on various differentiated tissues and is a major CAM mediating adhesion among neurons and between neurons and muscle. NCAM gene is mapped to 11q23. The neural cell adhesion molecule (NCAM) can influence a number of diverse intercellular events, including junctional communication, the association of axons with pathways and targets, and signals that alter levels of neurotransmitter enzymes.

Selected Validation Data

Antibody   ELISA Kits   IHC   WB   Cell Culture

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Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-NCAM1 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).
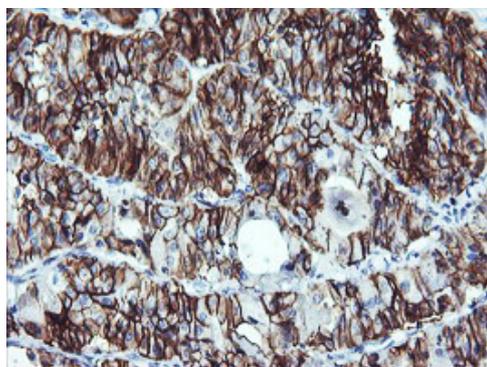
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-NCAM1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, M00184-3)

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